The Premiere Entertainment Notebook PC.

EXCEPTIONAL TECHNOLOGIES

Blu-ray Disc™ support lets you playback[15] HD Blu-ray Disc movies in stunning clarity (Configurable Feature).

Blu-ray Disc™ optical drive lets you record 25-50GB of data to a single Blu-ray Disc media[16] (Configurable Feature).

Stunning XBRITE-HiColor™ LCD technology delivers dazzling colors and stunning picture clarity (Configurable Feature).

XBRITE-ECO™ LCD technology delivers razor-sharp details and bold colors while conserving battery life (Configurable Feature).

MULTIMEDIA POWERHOUSE

Spacious 17" widescreen display[8] and full-sized keyboard.

NVIDIA® GeForce® Go graphics card will power you through today's graphic-intensive movies and games.

Media management software suite provides the tools needed to manage music, movies and photos.

Built-in 1.3 megapixel camera and microphone let you participate in video chats and conferencing[12].

POWERFUL PERFORMANCE

Screaming-fast Intel® Centrino® Duo processor technology and super-powerful Intel® Core™ 2 Duo processor.

Choose from Windows Vista® Ultimate, Home Premium or Business to provide an array of advanced technologies.

The VAIO® AR notebook is a full 1080 HD multimedia powerhouse with configurable features like Blu-ray™ Disc and TV Tuner, which let you watch high definition Blu-ray™ Disc media or TV on its 17" widescreen display[8] with XBRITE-HiColor™ LCD (configurable feature) technology. Backed by Intel® Core™ 2 Duo processor, this screaming-fast, super-powerful notebook is the ultimate desktop replacement.

Final image may vary depending on configuration

Final image will vary depending on configuration.

VGN-AR670 Configure-to-Order Series

VAIO® AR Digital Studio® Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Desktop Replacement
Action Buttons: S1, S2, AV Mode, Volume, Mute, Eject, Play/Pause/Stop, Wireless LAN On/Off, FF and Rewind

Hardware

Pointing Device: Electro-Static touch pad
Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T7800 (Configuration 1), Intel® Core™ 2 Duo Processor T7700 (Configuration 2), Intel® Core™ 2 Duo Processor T7500 (Configuration 3), Intel® Core™ 2 Duo Processor T7250 (Configuration 4) or Intel® Core™ 2 Duo Processor T7100 (Configuration 5)
Speed: 2.60GHz[1] (Configuration 1), 2.40GHz[1] (Configuration 2), 2.20GHz[1] (Configuration 3), 2GHz[1] (Configuration 4) or 1.80GHz[1] (Configuration 5)
Front Side Bus Speed: 800MHz
L2 Cache: 4MB (Configurations 1-3), 2MB (Configurations 4-5)
Technology: Intel® Centrino® Duo processor technology

Memory

Type: DDR2 SDRAM
Installed: 4GB (2GBx2) PC2-5300, 2GB (1GBx2) PC2-5300, 1GB (1GBx1) PC2-5300 or 1GB (512MBx2) PC2-5300
Maximum: 4GB[17]
Speed: 667MHZ

Hard Drive

Capacity: 600GB[2] (300GBx2) (Configuration 1), 500GB[2] (250GBx2) (Configuration 2), 400GB[2] (200GBx2) (Configuration 3), 400GB[2] (200GBx2) (Configuration 4), 320GB[2] (160GBx2) (Configuration 5), 240GB[2] (120GBx2) (Configuration 6), 300GB[2] (Configuration 7), 250GB[2] (Configuration 8), 200GB[2] (Configuration 9), 200GB[2] (Configuration 10), 160GB[2] (Configuration 11) or 120GB[2] (Configuration 12)
Speed: 4200rpm (Configurations 1-2, 7-8)
5400rpm (Configurations 4-6, 10-12)
7200rpm (Configurations 3 and 9)
Interface: Serial ATA
Technology: RAID Technology (depending on configuration)

Optical Drive #1

DVD+R DL Write: 2.4x max.
DVD+R Write: 8x max.
DVD+RW Write: 4x max.
DVD-R Write: 8x max.
DVD-RW Write: 4x max.
CD-R Write: 8x max.
CD-RW Write: 8x max.
DVD±RW: Yes[4]
CD Read: 24x max.
DVD Read: Single Layer: 8x max.
Double Layer: 6x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 2x max.
BD-R Read: 2x max. (BD-ROM)
2x max. (Blu-ray Disc™)
BD-R Write: 2x max.[15] (Blu-ray Disc™ only)
BD-RE Write: 2x max.[15] (Blu-ray Disc™ only)
BD-ROM Read: 2x max. (BD-ROM)
2x max. (Blu-ray Disc™)
BD-RE Read: 2x max. (BD-ROM)
2x max. (Blu-ray Disc™)
BD-R DL Read: 1.6x max. (BD-ROM)
1.6x max. (Blu-ray Disc™)
BD-R DL Write: 1x max. (Blu-ray Disc™ only)
DVD-RAM Read: 5x max.
Blu-Ray Disc™ Support: Optional[15] (Can only be configured with select PC hardware options)
BD-RE DL Read: 1.6x max. (BD-ROM)
1.6x max. (Blu-ray Disc™)
BD-RE DL Write: 1x max. (Blu-ray Disc™ only)

Expansion Slots

Multimedia Card Reader: Supports optional Memory Stick® and Memory Stick Duo™ media[3] with MagicGate® functionality and Secure Digital Media (SD)
One PCMCIA - Type II/Type I card slot with CardBus support
One ExpressCard™ /54 Slot

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WUXGA or WXGA+
Screen Size: 17"[6]
Resolution: 1920x1200 WUXGA (only available with 8600M GT graphics) or 1440x900 WXGA+ (only available with 8400M GT graphics)
XBRITE-HiColor™ Technology: Optional (Dependent on LCD and Graphics configuration)
XBRITE-ECO™ Technology: Optional (Dependent on LCD and Graphics configuration)

Graphics

Processor: NVIDIA® GeForce® 8600M GT notebook graphics processing unit or NVIDIA® GeForce® 8400M GT Graphics Processing Unit
Video RAM: 511MB Total Available Graphics Memory[14] (with 1GB memory option) or 1023MB Total Available Graphics Memory[14] (with 2GB and above memory option)
Chipset: Mobile Intel® PM965 Express Chipset
Interface: VGA out w/ Smart Display Sensor, HDMI out and S-Video out
TV Tuner: Optional - ATI TV Wonder™ Digital Cable Tuner with NTSC and ATSC Support (Only available with Windows Vista® Home Premium or Windows Vista® Ultimate.

Inputs and Outputs

Ethernet Port: 1
HDMI™ Connection Output(s): 1
Headphone Jack: 1
i.LINK® Interface: 1 (4pin) i.LINK® connector (IEEE 1394)[6]
Memory Stick® Media Slot: 1
Modem Jack: 1
Secure Digital Slot: 1
Microphone Input: 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
Express Card™ Slot: /54 x 1
S/PDIF Output(s): 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX/1000Base-T
Modem Type: Integrated V.92/V.90 Modem with (RJ-11)
Wireless LAN: Intel® PRO/Wireless 4965AGN Network Connection (802.11a/b/g/n)[5]
Bluetooth® Technology: Integrated Bluetooth® Technology[10]

Power

Battery Type: Standard Capacity Battery (VGP-BPS9A/B) or Large Capacity Battery (VGP-BPL9)
Estimated Battery Life: TBD hours[7] (Standard Battery)
TBD hours[7] (Large Capacity Battery)
Power Requirements: 150W+10%

Software

Operating System: Microsoft® Windows Vista® Home Premium, Windows Vista® Business or Windows Vista® Ultimate
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office[13] Home and Student 2007 (with Windows Vista® Home Premium and Windows Vista® Ultimate) or Small Business 2007 (with Windows Vista® Business)
Sony® Original Software: Click to DVD® - DVD Creation, LocationFree® Player Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.
Security and Anti-Virus Software: Norton 360™ All-In-One Security 60-day Trial

Service and Warranty Information

Limited Warranty: 1 Year Limited Warranty[9]. See actual warranty for details.
Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[11]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Dimensions

Weight: 8.4 lbs.[18] (weight is approximate and may vary)
Measurements: 16.4"(W) x 1.32"(H) x 11.8"(D)[18]

Supplied Accessories

Standard Lithium-ion Battery (VGP-BPS9A/B) or Large Capacity Lithium-ion Battery (VGP-BPL9)
AC Adapter (VGP-AC19V15)
Power Cord
Remote and IR Receiver (only with TV Tuner equipped models)
RF Cable (only with TV Tuner equipped models)
Optional ATI TV Wonder™ Digital Cable Tuner

Optional Accessories

Large Capacity Battery (VGP-BPL9)
Additional Standard Capacity Battery (VGP-BPS9A/B)
Additional AC Adapter (VGP-AC19V15)
USB Floppy Drive (VGP-UFD1)
Universal Carrying Case (VGP-AMB1A)
Neoprene Notebook and AC Adapter Case (VGP-AMC2)
Wireless Presentation Mouse (VGP-WMS50A)

Color: Glossy Piano Black or Black Magnesium

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point. Internet connection may require fees.
4. DVD Media/Formats are not universally compatible.
5. Supports Memory Stick PRO™ high-capacity media tested up to 1GB. Does not support MagicGate® functionality.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions.
8. Viewable area measured diagonally.
9. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
10. Use of this Bluetooth enabled product with other devices may vary as not all Bluetooth devices are compatible.
11. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
12. Broadband connection is required along with third party services which may require a subscription fee and other service fees.
13. This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
14. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which is the total of Dedicated Video Memory, System Video memory and Shared System Memory. Shared System Memory vaires depending on the operating condition and system memory size.
15. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ media playback. VAIO computers may not support movie playback on packaged media recorded in AVC or VC1 formats at high bit rates.
16. Video recording to Blu-ray Disc™ media is done in MP2 format only.
17. A portion of the system memory over 3GB available to the operating system.
18. Non-metric weights and measure may vary.
19. The digital TV tuner supports a CableCARD™ removable security module. Contact your cable operator to receive a CableCARD compatible with your operator's network (additional charges may apply). Not all functions that are available when using a set-top box provided by your cable operator will be supported by CableCARD (e.g., video-on-demand and pay-per-view functionality may not be supported). Premium HD programming requires additional subscription fee.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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